

DATA SHEET

AMERICAN WHITE OAK

1 Name and family

International Name	American White Oak..
Scientific Name	Quercus Alba L.
Family	Fabaceae.
Main Commercial Names	<i>American White Oak</i>



2 Origin

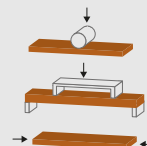


3 Description of the wood

Sapwood	Cream coloured.
Heartwood	Pale brown.
• Colour	Straight.
• Grain direction	Medium.
• Grain	

4 Technological characteristics

Density at 12% humidity	740 Kg/m ³ (very heavy)
Dimensional stability	
• Volumetric coefficient	0,43% (Stable wood)
• Contraction ratio	1,95% (Tendency to deform)
• Hardness (Chalais - Meudon)	5,1 (Hard wood)
• Resistance to static bending	1.050 kg / cm ²
• Elasticity modulus	123.000 kg/cm ²
• Resistance to parallel compression	513 kg/cm ²
• Fire reaction class	Cfl-s1
• Thermal conductivity	0,18 W/(mK)
• Formaldehyde emission	E1



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5 Uses and applications

Indoor and outdoor rustic furniture. Decorative plates.

Woodwork on openings and claddings, indoor and outdoor: Doors, windows, frames, wood flooring.

Casks.

6 Natural durability

Fungi resistance	2 (Durable)
Termite resistance	M (Moderately Durable)
Dry wood borers resistance	D (Durable)
Use class ensured by natural durability	3 (Outside, not in ground contact)

7 Transformation and installation

Sawing	No problems aside from its hardness.
Drying	Slow; risk of collapse and cementing.
Processing	As appropriate to its hardness.
Gluing	Problems with alkaline glues and acid glues.
Nailing	Easy.
Finishing	Good.
Impregnability	Moderately impregnable sapwood and non-impregnable heartwood.

8 Our applications

INDOOR WOOD FLOORING

• Format FOR GLUING OR NAILING

400 / 1500 x 90 to 110 x 19 mm.
400 / 1500 x 115 to 140 x 19 mm.
400 / 1600 x 150 to 180 x 19 mm.

• Format FOR NAILING

500 / 1600 x 90 to 110 x 19 or 21 mm.
500 / 2400 x 115 to 140 x 19 or 21 mm.
500 / 2400 x 150 to 180 x 19 mm.



THE VARNISHED SOLID WOOD FLOORING CONTAINS 8 LAYERS OF COATING:
- 5 layers of UV-drying acrylic and water-based primers.
- 3 ANTI-SCRATCH coats.

VARNISHED DYED INDOOR WOOD FLOORING / RUSTICO NATURALE

Graphite



Gold



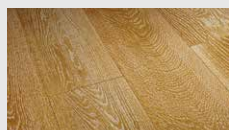
Vulcan



Sand



Polar White



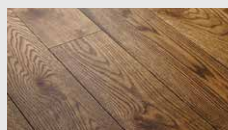
Snow White



Sahara



Countryside



Vecchia



LOPEZ PIGUEIRAS SOLID WOOD FLOORING

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9 Quality

Our floorings are manufactured to meet current regulation standards, endorsed by the main Quality Seals so the corresponding certificates can be issued.

INDOOR WOOD FLOORING MANUFACTURING STANDARDS

- AITIM quality seal: 4-3-13. Wood floors. Wood flooring.
- UNE-EN ISO 9001:2015: Quality Management Systems.
- UNE-EN 13756:2003: Wood flooring. Terminology.
- UNE-EN 13226:2009: Solid parquet elements with grooves and / or tabs.
- UNE-EN 1910:2000: Determining the dimensional stability.
- UNE-EN 13647:2003: Determining the geometrical characteristics.
- UNE 56810:2010: Wood flooring. Installation. Specifications.
- UNE-EN 14342:2006: Wood flooring. Characteristics, evaluation of conformity and marking.

INDOOR WOOD FLOORING COATING STANDARDS

- AITIM quality seal: 4-4-01. Wood floors. Varnished floorboards.
- UNE-EN ISO 2808:2000: Coating thickness.
- UNE ENV 13696:2001: Resistance to abrasion.
- UNE ISO 4624:2002: Resistance to adherence.
- UNE 1109-6:1990: Resistance to impact.
- UNE 56817:1974: Resistance to shock.
- UNE-EN ISO 11998:2002: Resistance to scrubbing. Washability.
- UNE-EN ISO 2409:1996: Cross-cut.
- UNE-ENV 12633:2003: Slip resistance.

10 Installation



American White Oak Indoor Flooring



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The mark of responsible forestry

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